(c) whether it is also a fact that delays have occurred even in commissioning of liquid fuel power plants;

(d) how do Government propose to bridge the gap between demand and supply of power;

(e) whether any energy conservation measures have been contemplated; and

(f) if so, the details thereof?

THE MINISTER OF STATE OF THE MINISTRY OF SCIENCE AND TECHNOLOGY AND THE MINISTER OF STATE OF THE MINISTRY OF POWER (SHRI YOGINDER K. ALAGH): (a) and (b) Yes, Sir. Growth of energy generation has picked up substantially since June. 1997. The position has been as follows:-

S. No.	Month	% Growth
1.	April, 1997/April, 1996	−8.00
2.	May, 1997/May, 1996	+2.8
3.	June, 1997/June, 1996	+8.4
4.	Aug., 1997/Aug., 1996	+7.2
5.	Sept., 1997/Sept., 1996	+8.4
6.	Oct., 1997/Oct., 1996	+5.0

Energy and peak shortages have reduced since May, 1997 as indicated below:-

	May, 1997	October, 1997
Energy Shrotage	12.2%	8.1%
Peak Shortage	18.5%	14.1%

In some regions, however, energy shortage continues to be high.

(c) Allocations have been made for around 12.000 MW of liquid fuel based power plants during the Ninth Plan. These projects are at various stages of consideration/implementation but the existing shortages in power availability cannot be attributed to delay in their commissioning as their commissioning schedule commences later on.

(d) To meet the projected shortages. Government is pursuing a variety of measures which *inter-alia* include capacity addition. Raising the PLF of existing stations renovation and modernisation of old, plants setting up of inter-state and inter-regional evacuation links demand side management and energy conservation.

(e) and (f) Yes, Sir. A variety of measures have been initiated for effecting energy conservation on generation supply and end use side which inter-alia includes rationalisation of energy prices and enacting a legislation on energy conservation.

उत्तर प्रदेश के विद्युत संयंत्रों का निजी क्षेत्र को सौंपा जाना

292. **श्री मनोहर कान्त ध्यानी:** क्या विद्युत मंत्री यह बताने की कृपा करेंगे कि:

(क) क्या यह सच है कि उत्तर प्रदेश सरकार ने जवाहरपुर तापीय परियोजना एवं रोजा तापीय परियोजना तथा बमोली जिले की विष्णुप्रयाग जल विद्युत परियोजना को निजी क्षेत्र को देने का करार किया है;

(ख) क्या उक्त करार को अन्तिम रूप इस हेतु गठित केन्द्रीय प्राधिकरण द्वारा दिया जाना था;

(ग) क्या केन्द्रीय प्राधिकरण ने इन प्रस्तावों पर अभी तक विचार नहीं किया है; यदि नहीं, तो ये योजनाएं कब तक स्वीकृत हो जाएंगी; और

(घ) इन तापीय परियोजनाओं को कौन सी तारीख तक पूर्ण करने का लक्ष्य है?

विज्ञान और प्रौद्योगिकी मंत्रालय के राज्य मंत्री तथा विद्युत मंत्रालय के राज्य मंत्री (श्री योगेन्द्र कुमार भगतराम): (क) जी, हां।

(ख) जी, नहीं।

(ग) और (घ) केन्द्रीय विद्युत प्राधिकरण (के०वि०प्रा०) ने मै० जयप्रकाश इंडस्ट्रीज लि० की विष्णुप्रयाग जल विद्युत परियोजना (न०वि०प्र०) (4×100-400 मे०वा०) को 30.8.97 को तथा मै० इंडो-गल्फ फर्टिलाइजर्स एंड कैमिकल्स कार्पोरेशन लि० 19.9.97 को तकनीकी-आर्थिक अनुमोदन प्रदान किया है। मै० पैसेफिक इलेक्ट्रिक पावर डेवलेपमेंट कार्पोरेशन, जो उत्तर प्रदेश में 800 मे०वा० जवाहरपुर ताप विद्युत

परियोजना के प्रवर्तक है को के०वि०प्रा० को एक पूर्ण विस्तृत परियोजना रिपोर्ट प्रस्तुत करने से पूर्व अभी विभिन्न निवेश/अनुमोदन सुनिश्चित किए जाने है।

विष्णु प्रयाग ज०वि०प० को वित्तीय संवृत्ति की तारीख से 60 मास के भीतर पूरा किए जाने का कार्यक्रम है तथा रोजा ता०वि०प० को वित्तीय संवृत्ति की तारीख से 40 मास के भीतर पूरा किए जाने का कार्यक्रम है।

Power Plants Functioning in Bihar

293. SHRI S.S. AHLUWALIA: Will the Minister of POWER be pleased to state:

(a) the details of the power plants functioning in the State of Bihar with their nature such as thermal, hydro etc., their generation capacity and actual production in each of these plants during the last three years, year-wise;

(b) whether Government have prepared any action plant for the upgradation of these plants to augment power supply;

(c) if so, the details thereof; and

(d) other measures Government propose to take to increase power generation in the State?

THE MINISTER OF STATE OF THE MINISTRY OF SCIENCE AND TECHNOLOGY AND THE MINISTER OF STATE OF THE MINISTRY OF POWER (SHRI YOGINDER K. ALAGH): (a) Power plants functioning in Bihar and their energy generation from 1994-95 to 1996-97 is given in Statement. (*See* below).

(b) and (c) Renovation and Modernisation schemes are being implemented to improve the performance and availability of the following old thermal power stations of BSEB in Bihar. The details are as under:—

Sl. No.	Name of the TPS	Units covered under R&M Phase-II scheme MW	Sanctioned estimated cost Rs. Lakhs	Average PLF(%) before R&M	Anticipated PLF(%) after R&M
1.	Patratu	770 MW (derated) 4×40+2×90+ 20105+2×110)	7583	37.3	46
2.	Barauni	310 MW (Derated) (2×50+2×105)	1577	40	45
3.	Muzaffarpur	220 MW (2×110)	292	31.2	36
Hydro Power Station					
1.	*Subaranarekha*	*130 MW (2×65)*	*1620*	—	—

(d) Various measures being taken for optimum utilisation of installed capacity includes Renovation and Modernisation of old units, following proper preventive maintenance schedule, periodical overhauling of equipments, supply of requisite quality and quantity of coal, strengthening of T&D system, encouraging private sector participation etc.